



Photo Essay:  
ROADWAY LIGHTING


Product Group:  
INFRASTRUCTURE | Mongoose® LED



LCDOT; FORT MEYERS, FL

  
**HOLOPHANE**®  
LEADER IN LIGHTING SOLUTIONS

Acuity Brands.



With an installed base of approximately 2500 HID Mongoose luminaires being maintained by Lee County Department of Transportation in Fort Myers, Florida, LCDOT has experienced several years of reliable, high performance roadway lighting from this flagship Holophane product. Recognized since 1998 as the "best of the best" in offset/setback roadway lighting, the Mongoose has had virtually no equal in the HID arena.



In 2013, Holophane achieved the difficult task of surpassing the HID Mongoose with the entry of the new Mongoose LED. This opened the door for LCDOT to try a new, completely re-engineered setback luminaire that combined the Mongoose engineering and performance characteristics with new sustainable, energy-saving LED technology.

This test installation on the corner of Global Parkway and Treeline Avenue in Fort Myers replaced eight Mongoose 400w High Pressure Sodium luminaires with 180' average pole spacing. The Mongoose LED fixtures installed on the existing poles utilized six COB LEDs (chip-on-board) with a 5000K color temperature.





Dropping from an input wattage of 445w for each of the HPS units down to 245 watts for the new LED units, the immediate energy savings is an astounding 55%. Performance is remarkable with an increase in foot-candles from 1.6 avg to 1.8 avg. Uniformity improved to 5.4:1 max/min, 2.6:1 avg/min while color rendering improved dramatically from a CRI of 21 to a CRI over 70.





LCDOT has commented very positively about the great uniformity, reduced backlight and improved visibility from the crisp, clear white light. LCDOT will also will enjoy a large decrease in maintenance costs due to the 100,000+ hour life of the Mongoose LED versus the 20,000 hour relamping cycle of the Mongoose HID.





**HOLOPHANE**<sup>®</sup>  
LEADER IN LIGHTING SOLUTIONS

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**Warranty** Five-year limited warranty.  
Full warranty terms located at  
[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Visit our web site at [www.holophane.com](http://www.holophane.com)**

*Product specifications may change without notice.  
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